

TEST REPORT

Product Name : Smart Lock U300

Model Number : DL-D02E, DL-D02D

Prepared for
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TEST REPORT DESCRIPTION

Applicant : Lumi United Technology Co., Ltd

Manufacturer : Lumi United Technology Co., Ltd

Trade Mark : Aqara

EUT : Smart Lock U300

Model Number : DL-D02E, DL-D02D

Power Supply : DC 6V from battery
DC 5V from USB

Test Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
EN 62479: 2010, EN 50663:2017	PASS
AS/NZS 2772.2:2016 Amd 1:2018	PASS

EN 62479: 2010, EN 50663:2017, Assessment of the compliance of the low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)

The device described above is tested by EMTEK (DONGGUAN) CO, LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion.

This report shows the EUT to be technically compliant with the EN 62479: 2010 requirements.

The test results are contained in this report and EMTEK (DONGGUAN) CO, LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (DONGGUAN) CO, LTD.

Date of Test :

April 30, 2024 to May 30, 2024

Warren Deng

Prepared by :

Warren Deng /Editor

Tim Dong

Reviewer :

Tim Dong /Supervisor



Approve & Authorized Signer :

Sam Lv / Manager

Modified Information

Version	Report No.	Revision Date	Summary
	EDG2404300196E01204R	/	Original Report

1. GENERAL INFORMATION

1.1 DESCRIPTION OF DEVICE (EUT)

EUT	: Smart Lock U300
Model Number	: DL-D02E, DL-D02D All models are the same, except the model name. Here, DL-D02E is selected to test all the test items.
Power supply	: DC 6V from battery DC 5V from USB
Applicant	: Lumi United Technology Co., Ltd
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Manufacturer	: Lumi United Technology Co., Ltd
Address	: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Date of Test	: April 30, 2024 to May 30, 2024

Note: for more details, please refer to the User's manual of the EUT.

1.2 TEST FACILITY

Site Description

EMC Lab.

: Accredited by CNAS

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018
The Certificate Registration Number is L3150

Accredited by FCC

Designation Number: CN1300
Test Firm Registration Number: 945551

Accredited by A2LA

The Certificate Registration Number is 4321.02

Accredited by Industry Canada

The Certificate Registration Number is CN0113

Name of Firm

Site Location

: EMTEK (DONGGUAN) CO., LTD.

: -1&2/F.,Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanlu High-technology Industrial Development Zone, Dongguan, Guangdong, China

2. GENERAL PRODUCT INFORMATION

2.1 Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

2.2 Ratings and System Details

	Transceiver
Frequency Range:	2402-2480 MHz for BLE 2405-2480 MHz for Thread
Modulation:	O-QPSK for BLE GFSK for Thread
Number of Channels:	40 channels for BLE 16 channels for Thread
Antenna:	FPC for BLE and Thread
Antenna Gain:	2 dBi for BLE and Thread
Transmit Power(MAX):	7.46 dBm for BLE 8.75 dBm for Thread

3. TEST RESULTS

3.1 Compliance criteria

MAX power: 7.50 mW,

Result:	Pass
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From results of report EDG2404300196E01202R can be assumed that the compliance criteria is Fulfilled (max radiated power is less than 20mW, MAX power : 7.50 mW). The assumption is made with an uncertainty of 3%.

*EN 62479:2010 4.1(D) & 4.2

Measurements or calculations show that available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2 (P max: 20mW)

*** End of Report ***

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